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**NEW TIMES OF MINIMA OF ECLIPSING BINARY STARS**

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**Observatory and telescope:**

40-cm Cassegrain-Schmidt telescope of the Çanakkale University Observatory, (ÇUG40)

40-cm Cassegrain telescope of the TÜBITAK National Observatory, (TUG40)

30-cm Cassegrain-Schmidt telescope of the Çanakkale University Observatory, (ÇUG301, ÇUG302)

**Detector:**

ST10XME camera, Peltier cooling, KAF 3200ME chip, 17' × 12' FOV, 1092 × 736 pixels.

ST237 camera, Peltier cooling, TC237 chip, 11' × 8' FOV, 320 × 240 pixels.

SSP5 photometer, Hamamatsu R4457 photomultiplier tube at Çanakkale University Observatory.

SSP5 photometer, Hamamatsu R4457 photomultiplier tube at TÜBITAK National Observatory

**Method of data reduction:**

Reduction of the CCD frames was made with C-MUNIPACK<sup>1</sup> software, and reduction of photoelectric observations was made by ATMEX<sup>2</sup> software.

**Method of minimum determination:**

Kwee – van Woerden method (Kwee & van Woerden, 1956).

<sup>1</sup>Motl, D., 2004, C-MUNIPACK, <http://integral.sci.muni.cz/cmunicpack/>

<sup>2</sup>Keskin, V., 2001, ATMEX, <http://astronomy.sci.ege.edu.tr/~keskinv/>

<b>Times of minima:</b>					
Star name	Time of min. HJD 2400000+	Error	Type	Filter	Rem.
AP Aur	52739.4577	0.0007	II	–	ÇUG301
TT Aur	53300.5112	0.0003	II	BV	ÇUG40
AR Boo	52772.3160	0.0002	II	–	ÇUG301
UW Boo	52772.3166	0.0002	I	–	ÇUG301
SV Cam	52725.4855	0.0002	I	–	ÇUG301
TV Cas	53308.3275	0.0003	I	Rc	ÇUG302
	53337.3289	0.0016	I	B	ÇUG40
EM Cep	53244.4535	0.0010	II	V	TUG40
	53261.3670	0.0010	II	U	ÇUG40
	53280.3229	0.0010	I	U	ÇUG40
GSC 4288-0186	52791.5388	0.0003	I	–	ÇUG301
	52864.3624	0.0006	I	–	ÇUG301
	52967.5258	0.0004	I	–	ÇUG301
	53137.4431	0.0005	I	BVIc	ÇUG302
	52861.3828	0.0003	II	–	ÇUG301
	52867.4522	0.0014	II	–	ÇUG301
	52879.5890	0.0012	II	–	ÇUG301
	52934.2099	0.0005	II	–	ÇUG301
	53134.4590	0.0004	II	BVRcIc	ÇUG302
	53213.3532	0.0003	II	BV	ÇUG302
	53219.4218	0.0004	II	BVRcIc	ÇUG302
UW Cyg	52772.5171	0.0001	I	–	ÇUG301
ZZ Cyg	52786.3575	0.0001	I	–	ÇUG301
Y Leo	52710.3099	0.0001	I	–	ÇUG301
UU Leo	52736.3725	0.0005	II	–	ÇUG301
UX Leo	52718.3936	0.0002	I	–	ÇUG301
EW Lyr	52780.4049	0.0001	I	–	ÇUG301
	52781.3824	0.0013	II	–	ÇUG301
	52860.3080	0.0002	I	–	ÇUG301
V502 Oph	52772.3815	0.0002	I	–	ÇUG301
FZ Ori	52725.3101	0.0002	I	–	ÇUG301
IU Per	53308.3821	0.0003	I	Rc	ÇUG302
RZ Tau	53308.4687	0.0001	I	Rc	ÇUG302

**Remarks:**

We are presenting 33 minima times of 18 eclipsing binaries. Updated ephemerides for primary and secondary minimum light of recently discovered eccentric binary GSC 4288-0186 by Bakis, et al. (2003) are as follows:

$$\text{Min.HJD}=2453137.4429 + 6.06846649 \times E$$

$$\text{Min.HJD}=2452515.4852 + 6.06840357 \times E, \text{ respectively.}$$

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## References:

- Bakis, V., Erdem, A., Budding, E. and Demircan, O., 2003, IBVS, 5381  
 Kwee, K. K., & van Woerden, H., 1956, *Bull. Astron. Inst. Neth.*, **12**, 327.

**ERRATA FOR IBVS 5381 AND 5496**

Errata for the paper IBVS No. 5381 titled “*GSC 4288-186: a New Eccentric Binary*”:  
Minima times reported as

52515.4800	II
52591.2761	I
52594.3713	II

should be changed as

52515.4840	II
52591.2817	I
52594.3767	II

Erratum for the paper IBVS No. 5496 titled “*BVR Photometry of the Contact Binary Star V829 Herculis*”: the comparison and check stars were given in the paper as BD+38°2701 and BD+38°2708, respectively. They should be BD+35°2882 for comparison and BD+35°2891 for the check star.

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